

## ARG45505 anti-MSN / Moesin antibody [8D4]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes MSN / Moesin
Tested Reactivity	Hu, Ms, Rat, Mk
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	MSN / Moesin
Host	Mouse
Clonality	Monoclonal
Clone	8D4
Isotype	IgG1
Target Name	MSN / Moesin
Species	Human
Immunogen	Recombinant protein containing to human MSN / Moesin.
Conjugation	Un-conjugated
Alternate Names	Moesin; Membrane-organizing extension spike protein; HEL70

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	78 kDa	

### Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

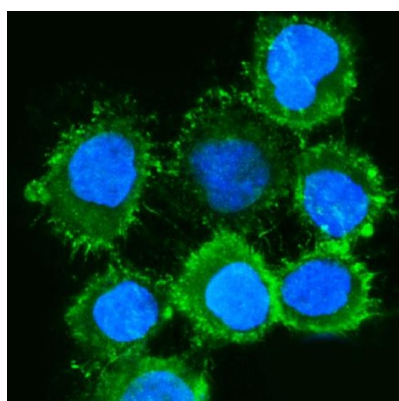
#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

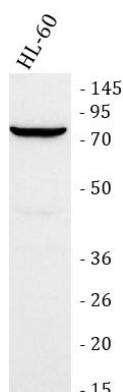
Gene Symbol	MSN
Gene Full Name	moesin
Background	Moesin (for membrane-organizing extension spike protein) is a member of the ERM family which includes ezrin and radixin. ERM proteins appear to function as cross-linkers between plasma membranes and actin-based cytoskeletons. Moesin is localized to filopodia and other membranous protrusions that are important for cell-cell recognition and signaling and for cell movement. [provided by RefSeq, Jul 2008]
Function	Probably involved in connections of major cytoskeletal structures to the plasma membrane. May inhibit herpes simplex virus 1 infection at an early stage. [UniProt]
Calculated Mw	68 kDa
PTM	Phosphorylation on Thr-558 is crucial for the formation of microvilli-like structures. Phosphorylation by ROCK2 suppresses the head-to-tail association of the N-terminal and C-terminal halves resulting in an opened conformation which is capable of actin and membrane-binding (By similarity). Phosphorylation on Thr-558 by STK10 negatively regulates lymphocyte migration and polarization. S-nitrosylation of Cys-117 is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) implicating the iNOS-S100A8/9 transnitrosylase complex. [UniProt]
Cellular Localization	Cell membrane; Cell projection; Cytoplasm; Cytoskeleton; Membrane. [UniProt]

## Images



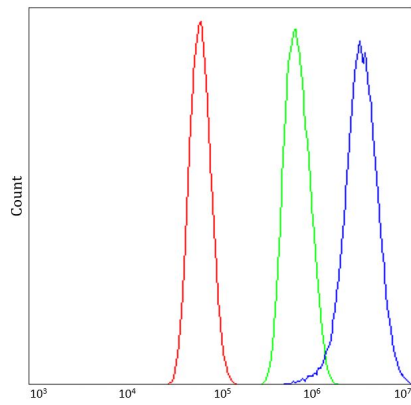
ARG45505 anti-MSN / Moesin antibody [8D4] ICC/IF image

Immunofluorescence: SiHa stained with ARG45505 anti-MSN / Moesin antibody [8D4] at 5 µg/ml dilution.



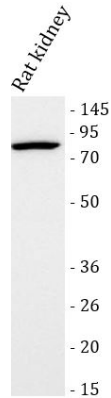
ARG45505 anti-MSN / Moesin antibody [8D4] WB image

Western blot: HL-60 stained with ARG45505 anti-MSN / Moesin antibody [8D4] at 0.5 µg/ml dilution.



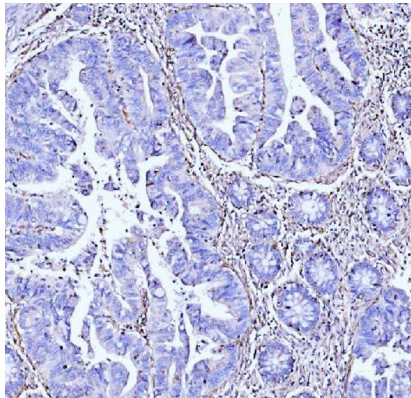
#### ARG45505 anti-MSN / Moesin antibody [8D4] FACS image

Flow Cytometry: U87 stained with ARG45505 anti-MSN / Moesin antibody [8D4] at  $1 \mu\text{g}/10^6$  cells dilution.



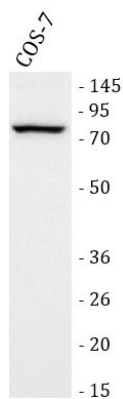
#### ARG45505 anti-MSN / Moesin antibody [8D4] WB image

Western blot: Rat kidney stained with ARG45505 anti-MSN / Moesin antibody [8D4] at  $0.5 \mu\text{g}/\text{ml}$  dilution.



#### ARG45505 anti-MSN / Moesin antibody [8D4] IHC-P image

Immunohistochemistry: Human gastric adenocarcinoma stained with ARG45505 anti-MSN / Moesin antibody [8D4] at  $2 \mu\text{g}/\text{ml}$  dilution.



#### ARG45505 anti-MSN / Moesin antibody [8D4] WB image

Western blot: COS-7 stained with ARG45505 anti-MSN / Moesin antibody [8D4] at  $0.5 \mu\text{g}/\text{ml}$  dilution.